

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

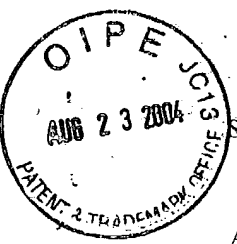
- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

QP-2183
41

PATENT

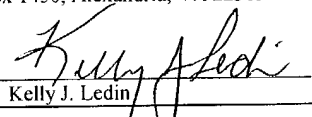


STFD.076CIP (S97-246CIP)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	DALLY et al.	Examiner:	MEONSKE
Serial No.:	09/871,301	Group Art Unit:	2183
Filed:	May 30, 2001	Docket No.: (NEW)	STFD.076CIP
Title:	SYSTEM AND METHOD FOR PERFORMING EFFICIENT CONDITIONAL VECTOR OPERATIONS FOR DATA PARALLEL ARCHITECTURES INVOLVING BOTH INPUT AND CONDITIONAL VECTOR VALUES		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 4, 2004.

By: 
Kelly J. Ledin

SUBMISSION OF SUPPLEMENTAL DECLARATION

RECEIVED

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AUG 26 2004
Technology Center 2100

Dear Sir:

As addressed in the previously-filed response to the non-final Office Action dated May 4, 2004, please enter the attached Supplemental Declaration. Applicant submits the Supplemental Declaration and Power of Attorney as requested by Examiner in the non-final Office Action dated May 4, 2004.

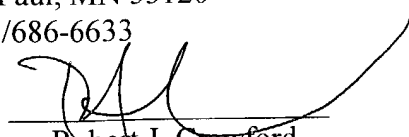
If appropriate, please charge/credit any additional, necessary fees (i.e., a one-month extension fee of \$110.00) to Deposit Account No. 50-0996 (STFD.076CIP).

Should there be any remaining issues that could be readily addressed over the telephone, the Examiner is encouraged to contact the undersigned at (651) 686-6633.

Respectfully submitted,

CRAWFORD MAUNU PLLC
1270 Northland Drive, Suite 390
St. Paul, MN 55120
651/686-6633

Dated: August 19, 2004

By: 
Robert J. Crawford
Reg. No. 32,122



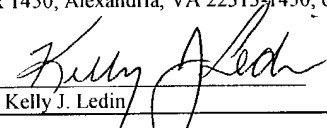
STFD.076CIP (S97-246CIP)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	DALLY et al.	Examiner:	MEONSKE
Serial No.:	09/871,301	Group Art Unit:	2183
Filed:	May 30, 2001	Docket No.:	(NEW) STFD.076CIP
Title:	SYSTEM AND METHOD FOR PERFORMING EFFICIENT CONDITIONAL VECTOR OPERATIONS FOR DATA PARALLEL ARCHITECTURES INVOLVING BOTH INPUT AND CONDITIONAL VECTOR VALUES		

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the papers, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 19, 2004.

By: 
Kelly J. Ledin

SUBMISSION OF SUPPLEMENTAL OATH UNDER 37 C.F.R. § 1.67(a)(2)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

AUG 26 2004

Technology Center 2100

Dear Sir:

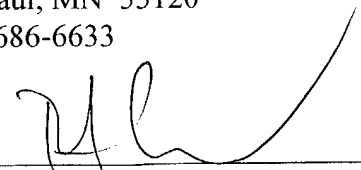
In accordance with 37 C.F.R. §1.67, the Applicant hereby submits a Supplemental Combined Declaration and Power of Attorney. The Supplemental Combined Declaration and Power of Attorney is being submitted to include inventors Scott Rixner's, John Owens' and Ujval J. Kapasi's current addresses.

If there are any questions regarding this communication, please contact the undersigned attorney of record.

Respectfully submitted,

CRAWFORD MAUNU PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120
651/686-6633

Dated: August 19, 2004

By: 
Robert J. Crawford
Reg. No.: 32,122



CRAWFORD MAUNU PLLC

United States Patent Application

SUPPLEMENTAL COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **SYSTEM AND METHOD FOR PERFORMING EFFICIENT CONDITIONAL VECTOR OPERATIONS FOR DATA PARALLEL ARCHITECTURES.**

The specification of which

- a. ☐ is attached hereto
b. ☒ is entitled **SYSTEM AND METHOD FOR PERFORMING EFFICIENT CONDITIONAL VECTOR OPERATIONS FOR DATA PARALLEL ARCHITECTURES**, having attorney docket number **STFD.076CIP** (S97-246CIP).
c. ☒ was filed on May 30, 2001 as application serial no. 09/871,301 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

RECEIVED

AUG 26 2004

- a. ☒ no such applications have been filed.
b. ☐ such applications have been filed as follows:

Technology Center 2100

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)
09/152,944	14 September 1998	Patented

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:

Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name RIXNER	First Given Name SCOTT	Second Given Name
0	Residence & Citizenship	City SPRING	State or Foreign Country TEXAS	Country of Citizenship USA
1	Post Office Address	Post Office Address 25623 VALLEY SPRINGS PLACE	City SPRING	State & Zip Code/Country TX/77373/USA
Signature of Inventor 201: <i>Scott Rixner</i>			Date: 8/6/04	
2	Full Name Of Inventor	Family Name OWENS	First Given Name JOHN	Second Given Name D.
0	Residence & Citizenship	City EMERYVILLE	State or Foreign Country CALIFORNIA	Country of Citizenship USA
2	Post Office Address	Post Office Address 1500 PARK AVE., #111	City EMERYVILLE	State & Zip Code/Country CA/94608/USA
Signature of Inventor 202:			Date:	
2	Full Name Of Inventor	Family Name KAPASI	First Given Name UJVAL	Second Given Name J.
0	Residence & Citizenship	City SANTA CLARA	State or Foreign Country CALIFORNIA	Country of Citizenship USA
3	Post Office Address	Post Office Address 3445 LOCHINVAR AVE., # 226	City SANTA CLARA	State & Zip Code/Country CA/95051/USA
Signature of Inventor 203:			Date:	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:

Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
		RDXNER	SCOTT	
0	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
		SPRING	TEXAS	USA
1	Post Office Address	Post Office Address	City	State & Zip Code/Country
		25623 VALLEY SPRINGS PLACE	SPRING	TX/77373/USA
Signature of Inventor 201:				Date:
2	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
		OWENS	JOHN	D.
0	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
		EMERYVILLE	CALIFORNIA	USA
2	Post Office Address	Post Office Address	City	State & Zip Code/Country
		1500 PARK AVE., #111	EMERYVILLE	CA/94608/USA
Signature of Inventor 202:				Date: 8/18/2004
2	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
		KAPASI	UJVAL	J.
0	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
		SANTA CLARA	CALIFORNIA	USA
3	Post Office Address	Post Office Address	City	State & Zip Code/Country
		3445 LOCHINVAR AVE., # 226	SANTA CLARA	CA/95051/USA
Signature of Inventor 203:				Date:

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Crawford Maunu PLLC.

Please direct all correspondence in this case to Crawford Maunu PLLC at the address indicated below:

Crawford Maunu PLLC
1270 Northland Drive, Suite 390
St. Paul, Minnesota 55120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name RIXNER	First Given Name SCOTT	Second Given Name
0	Residence & Citizenship	City SPRING	State or Foreign Country TEXAS	Country of Citizenship USA
1	Post Office Address	Post Office Address 25623 VALLEY SPRINGS PLACE	City SPRING	State & Zip Code/Country TX/77373/USA
Signature of Inventor 201:			Date:	
2	Full Name Of Inventor	Family Name OWENS	First Given Name JOHN	Second Given Name D.
0	Residence & Citizenship	City EMERYVILLE	State or Foreign Country CALIFORNIA	Country of Citizenship USA
2	Post Office Address	Post Office Address 1500 PARK AVE., #111	City EMERYVILLE	State & Zip Code/Country CA/94608/USA
Signature of Inventor 202:			Date:	
2	Full Name Of Inventor	Family Name KAPASI	First Given Name UJVAL	Second Given Name J.
0	Residence & Citizenship	City SANTA CLARA	State or Foreign Country CALIFORNIA	Country of Citizenship USA
3	Post Office Address	Post Office Address 3445 LOCHINVAR AVE., # 226	City SANTA CLARA	State & Zip Code/Country CA/95051/USA
Signature of Inventor 203:			Date:	

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud

on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application:

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.